

A hole-conductorâ€™free, fully printable mesoscopic pe
stability

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Citation Report

#	ARTICLE	IF	CITATIONS
8	Optical and electrical simulations of silicon nanowire array/Poly(3-hexylthiophene):Phenyl-C61-butyric acid methyl ester hybrid solar cell. Applied Physics Letters, 2014, 105, .	1.5	8
9	Random lasing in organo-lead halide perovskite microcrystal networks. Applied Physics Letters, 2014, 105, .	1.5	135
10	Photovoltaics literature survey (No. 114). Progress in Photovoltaics: Research and Applications, 2014, 22, 1316-1320.	4.4	0
11	Reproducible One-Step Fabrication of Compact MAPb ₃ Cl ₃ Thin Films Derived from Mixed-Lead-Halide Precursors. Chemistry of Materials, 2014, 26, 7145-7150.	3.2	81
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15	Compact Layer Free Perovskite Solar Cells with 13.5% Efficiency. Journal of the American Chemical Society, 2014, 136, 17116-17122.	6.6	407
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26	Recent Research Developments of Perovskite Solar Cells. Chinese Journal of Chemistry, 2014, 32, 957-963.	2.6	37

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1055	Inkjet manipulated homogeneous large size perovskite grains for efficient and large-area perovskite solar cells. <i>Nano Energy</i> , 2018, 46, 203-211.	8.2	155
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1059	The influence of perovskite precursor composition on the morphology and photovoltaic performance of mixed halide MAPbI ₃ -xCl _x solar cells. <i>Solar Energy</i> , 2018, 163, 215-223.	2.9	36
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1106	Fully printable hole-conductor-free mesoscopic perovskite solar cells based on mesoporous anatase single crystals. <i>New Journal of Chemistry</i> , 2018, 42, 2669-2674.	1.4	17
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1114	High-Performance Photodetectors Based on Solution-Processed Epitaxial Grown Hybrid Halide Perovskites. <i>Nano Letters</i> , 2018, 18, 994-1000.	4.5	105
1115	<i>In situ</i> induced core/shell stabilized hybrid perovskites <i>via</i> gallium(acetylacetonate) intermediate towards highly efficient and stable solar cells. <i>Energy and Environmental Science</i> , 2018, 11, 286-293.	15.6	79
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1128	Overcoming Bulk Recombination Limits of Layered Perovskite Solar Cells with Mesoporous Substrates. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14177-14185.	1.5	20
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1161	The Electrical and Optical Properties of Organometal Halide Perovskites Relevant to Optoelectronic Performance. <i>Advanced Materials</i> , 2018, 30, 1700764.	11.1	141
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1178	Degradation of encapsulated perovskite solar cells driven by deep trap states and interfacial deterioration. <i>Journal of Materials Chemistry C</i> , 2018, 6, 162-170.	2.7	91
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1192	Reverse Bias Behavior of Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1702365.	10.2	127
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1194	Frontiers, opportunities, and challenges in perovskite solar cells: A critical review. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2018, 35, 1-24.	5.6	329
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1196	Efficient and stable planar hole-transport-material-free perovskite solar cells using low temperature processed SnO ₂ as electron transport material. <i>Organic Electronics</i> , 2018, 53, 235-241.	1.4	66
1197	Precipitation and tunable emission of cesium lead halide perovskites (CsPbX ₃ , X = Br, I) QDs in borosilicate glass. <i>Ceramics International</i> , 2018, 44, 4496-4499.	2.3	68
1198	Nanocrystals of halide perovskite: Synthesis, properties, and applications. <i>Journal of Energy Chemistry</i> , 2018, 27, 622-636.	7.1	43
1199	Interactions between molecules and perovskites in halide perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 175, 1-19.	3.0	66
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1211	Precursor purity effects on solution-based growth of MAPbBr ₃ single crystals towards efficient radiation sensing. <i>CrystEngComm</i> , 2018, 20, 7818-7825.	1.3	43
1212	Organic hole-transporting materials for 9.32%-efficiency and stable CsPbBr ₃ perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2018, 2, 2239-2244.	3.2	38
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1940	High-Efficiency Flexible Perovskite Solar Cells Enabled by an Ultrafast Room-Temperature Reactive Ion Etching Process. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7125-7134.	4.0	8
1941	High Efficiency Mesoscopic Solar Cells Using CsPbI ₃ Perovskite Quantum Dots Enabled by Chemical Interface Engineering. <i>Journal of the American Chemical Society</i> , 2020, 142, 3775-3783.	6.6	156
1942	Acetic Acid Assisted Crystallization Strategy for High Efficiency and Long-Term Stable Perovskite Solar Cell. <i>Advanced Science</i> , 2020, 7, 1903368.	5.6	85
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1944	Carbon-based perovskite solar cells by screen printing with preheating. <i>Journal of Physics: Conference Series</i> , 2020, 1433, 012009.	0.3	3
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1947	Consensus statement for stability assessment and reporting for perovskite photovoltaics based on ISOS procedures. <i>Nature Energy</i> , 2020, 5, 35-49.	19.8	797
1948	Photoelectrochemical Water Splitting Reaction System Based on Metal-Organic Halide Perovskites. <i>Materials</i> , 2020, 13, 210.	1.3	23
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1950	Double-Mesoscopic Hole-Transport-Material-Free Perovskite Solar Cells: Overcoming Charge-Transport Limitation by Sputtered Ultrathin Al ₂ O ₃ Isolating Layer. <i>ACS Applied Nano Materials</i> , 2020, 3, 2463-2471.	2.4	23
1951	Efficient triple-mesoscopic perovskite solar mini-modules fabricated with slot-die coating. <i>Nano Energy</i> , 2020, 74, 104842.	8.2	63
1952	A Low-Cost and High-Efficiency Integrated Device toward Solar-Driven Water Splitting. <i>ACS Nano</i> , 2020, 14, 5426-5434.	7.3	36
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1954	Phenylhydrazinium Iodide for Surface Passivation and Defects Suppression in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2000778.	7.8	103
1955	Superior Self-Charged and -Powered Chemical Sensing with High Performance for NO ₂ Detection at Room Temperature. <i>Advanced Optical Materials</i> , 2020, 8, 1901863.	3.6	27
1956	High performance carbon-based planar perovskite solar cells by hot-pressing approach. <i>Solar Energy Materials and Solar Cells</i> , 2020, 210, 110517.	3.0	42

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1958	Aged sol-gel solution-processed texture tin oxide for high-efficient perovskite solar cells. <i>Nanotechnology</i> , 2020, 31, 315205.	1.3	8
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1971	Numerical modeling and simulation for augmenting the photovoltaic response of HTL free perovskite solar cells. <i>Materials Today: Proceedings</i> , 2021, 46, 6367-6373.	0.9	10
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1973	All Electro-spray Printing of Carbon-Based Cost-Effective Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2006803.	7.8	26
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2005	Carbon-based electrodes for perovskite solar cells. Materials Advances, 2021, 2, 5560-5579.	2.6	49
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2013	Recent progress in tin-based perovskite solar cells. <i>Energy and Environmental Science</i> , 2021, 14, 1286-1325.	15.6	257
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2028	Toward efficient and stable operation of perovskite solar cells: Impact of sputtered metal oxide interlayers. <i>Nano Select</i> , 2021, 2, 1417-1436.	1.9	10

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2096	Carbon-based all-inorganic perovskite solar cells: Progress, challenges and strategies toward 20% efficiency. <i>Materials Today</i> , 2021, 50, 239-258.	8.3	33
2097	Advanced Applications of Atomic Layer Deposition in Perovskite-Based Solar Cells. <i>Advanced Photonics Research</i> , 2021, 2, 2100011.	1.7	6
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